

WAP to find factorial of a no. using copy constructor

```
#include <iostream>
using namespace std;
```

```
class copy
```

```
{
public:
    int var;
```

```
    copy(int temp)
    {
        var = temp;
    }
```

```
    int calculate()
```

```
    {
        int fact = 1;
        for (i = 1; i <= var; i++)
            fact = fact * i;
        return fact;
    }
```

```
}
```

```
int main()
```

```
{
    int n;
    cout << "Enter the number:";
    cin >> n;
```

```
    copy obj(n);
```

```
    copy cpj = obj;
```

```
    cout << "Before copying: " << n << " != " << obj.calculate() <<
        endl;
```

```
    cout << "After copying: " << n << " != " << cpj.calculate() <<
        endl;
```

```
}
```